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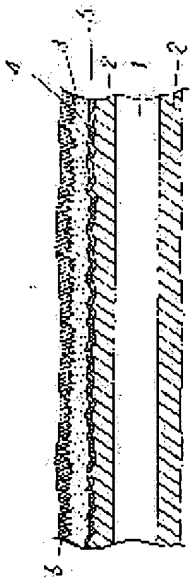
(54) FORMATION OF FLUOROCARBON RESIN COATING LAYER

(57)Abstract:
PURPOSE: To obtain a fluorocarbon resin coating layer excellent in corrosion resistance, anti-wear property and close adhesiveness, by forming an under enamel layer as a baking condition by a two-coat and one-bake system.
CONSTITUTION: Underlining enamel layers 2 having excellent corrosion resistance are applied to both surfaces of a base metal while a mat facing enamel layer 3 containing a mat forming substance 4 is formed to one of the underlining enamel layers 2 and a fluorocarbon resin layer 6 is formed to the surface of the facing enemal layer 3. Herein, a mutually diffused layer 5 is formed to the interface of the underlining enamel layer 2 and the facing enamel layer 3 and has a mutually uneven shape. On the other hand, the underlining and facing enamel layer 2, 3 having a multi-layered structure are simultaneously baked and, therefore, conservation of energy is enabled. As the mat forming material, one coming to an anti-wear material for enhancing the anti-wear property of a fluorocarbon resin coating layer such as alumina, silica, mullite or chamotte is used.



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